

AF/280  
PATENT



Case Docket No. ASMMC.006AUS  
Date: November 13, 2001  
Page 1

Patent & Trademark Office  
Applicant of : RAAIJMAKERS et al.  
App. No. : 09/452,844  
Filed : December 3, 1999  
For : CONFORMAL THIN  
FILMS OVER TEXTURED  
CAPACITOR  
ELECTRODES  
Examiner : R. Rocchegiani  
Art Unit : 2825

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on

November 13, 2001

*Adeel S. Akhtar*  
(Date)  
Adeel S. Akhtar, Reg. No. 41,394

ASSISTANT COMMISSIONER FOR PATENTS BOX AF  
WASHINGTON, D.C. 20231

Sir:

Transmitted herewith is an amendment in the above-identified application.

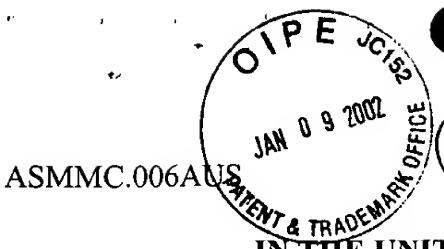
The fee has been calculated as shown below:

CLAIMS AS FILED

	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEE
Total Claims	47	—	66	= 0 × \$18	= \$0
Independent Claims	4	—	6	= 0 × \$84	= \$0
If application has been amended to contain multiple dependent claim(s), then add				\$280	= \$N/A
<b>TOTAL ADDITIONAL FEE FOR THIS AMENDMENT</b>				<b>\$0</b>	

- (X) Information Disclosure Statement.  
(X) Form PTO-1449 and ten (10) references.  
(X) Return prepaid postcard.  
(X) Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

*Adeel S. Akhtar*  
Adeel S. Akhtar  
Registration No. 41,394  
Attorney of Record



ASMMC.006AUS

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant : Raaijmakers et al. ) Group Art Unit: 2825  
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For : CONFORMAL THIN FILMS )  
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          CAPACITOR ELECTRODES )  
Examiner : R. Rocchegiani )

**RESPONSE TO FINAL OFFICE ACTION**

**BOX AF**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In response to the Final Office Action mailed on September 11, 2001, please consider the following remarks.

**IN THE CLAIMS**

Please cancel Claims 36-54 in accordance with an earlier Election of Species.

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**REMARKS**

The Examiner has continued to reject all of the pending claims (1-35 and 55-66) as being obvious over Wu (U.S. Patent No. 5,650,351) in view of Suntola et al. (U.S. Patent No. 4,058,430). Various dependent claims are also rejected over additional secondary references.

**The prior art provides no suggestion for the combination**

Wu discloses a conventional memory capacitor employing HSG bottom electrodes and conventional dielectrics. Suntola et al. discloses an atomic layer deposition (ALD) process. The

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